

SOIL CLASS: 510 HOOSIC

(SOURCE: USDA-SCS SOIL SURVEY)

BENCH MARKS: DATUM = ASSUMED

- #1 BM#1 SET NAIL UP 9" AT END WALL EL 50.39
- #2 BM#2 SET HUB EL 50.00
- #3 BM#3 TOP NUT HYDRANT EL 53.79
- #4 BM#4 DECK ELEVATION 52.6

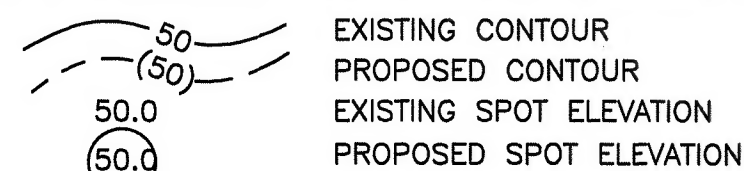
DESIGN INTENT:

1. THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM SHALL BE CONSTRUCTED AT ELEVATION 49.3
2. WHICH IS APPROX 2.0 FT BELOW ORIGINAL EL GROUND ON THE HIGH CONTOUR THE DESIGNED EDS. 51.3

SUITABLE REPLACEMENT AREA:

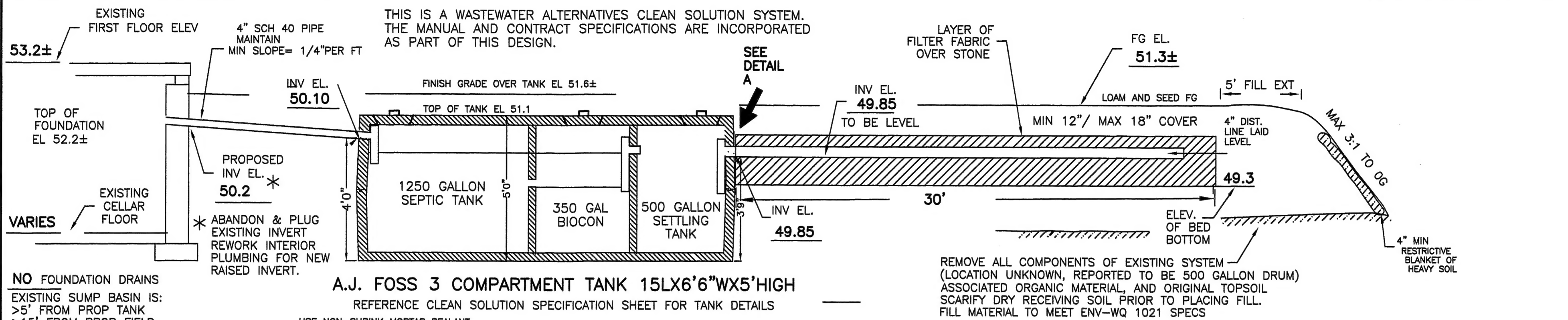
SYSTEM MUST BE REBUILT IN PLACE OR REDESIGNED.

LEGEND:



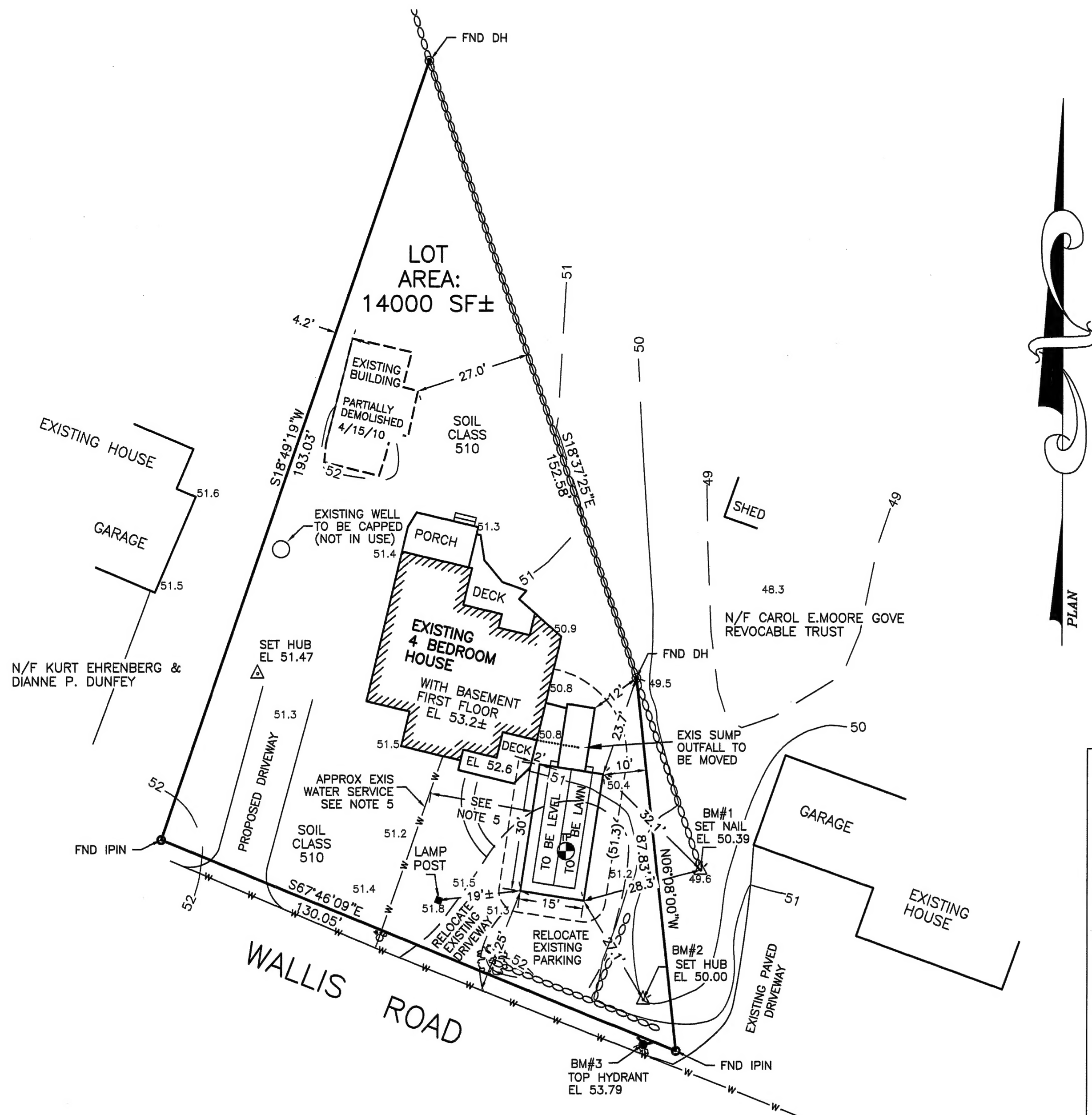
NOTES:

1. THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATED BASED ON INFORMATION FROM THE FOLLOWING SOURCE:
RCRD 5100-1945, RCRD PLANS 1390-236, 1393-296
2. NHDES-WS&PCD SUBDIVISION APPROVAL NUMBER: LOT OF RECORD, RCRD 1572-404 (1961)
3. THIS SYSTEM IS NOT DESIGNED TO HANDLE GARBAGE DISPOSAL, JACUZZI BATH, OR SEWAGE EJECTOR PUMP WASTE. BACKWASH FROM WATER SOFTENER SYSTEMS SHOULD BE DISCHARGED TO A SEPARATE DRYWELL.
4. NO SURFACE WATER OR WELL WITHIN 75' OF PROPOSED SYSTEM.
NO HYDRIC A OR B SOILS WITHIN 75' OF PROPOSED SYSTEM.
5. WATER SERVICE LINE MUST BE SLEEVED WITHIN 25' OF PROPOSED DISPERSAL FIELD OR RELOCATED TO MIN 25' FROM DISPERSAL FIELD. LINE IS OLD PER WATER DEPARTMENT - RECOMMEND REPLACE AND RELOCATE.

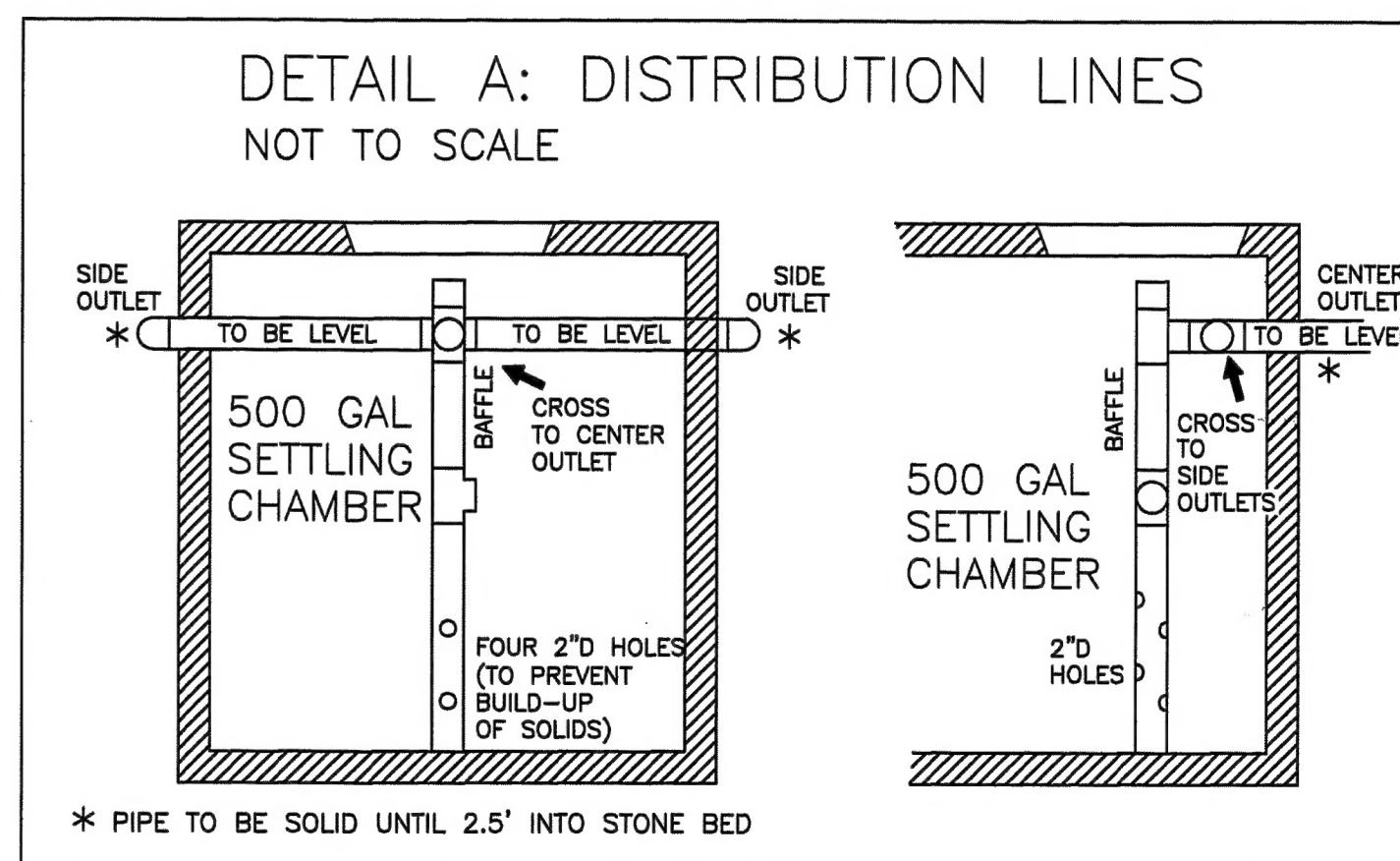


CROSS SECTION DISPOSAL SYSTEM - NOT TO SCALE

PLAN : 1"=20'



NOTE 6:
EXISTING SYSTEM REPORTED TO CONSIST OF 500 GALLON DRUM ONLY. NO EVIDENCE OF LEACH FIELD ENCOUNTERED IN TEST PIT. EXISTING SYSTEM DEEMED TO BE IN FAILURE BY NOT BEING A "SEPTIC SYSTEM" AT ALL UNDER THE CURRENTLY ACCEPTED DEFINITION OF THE TERM.



SYSTEM OWNER IS RESPONSIBLE FOR THE FOLLOWING OPERATING REQUIREMENTS MAINTENANCE CONTRACT SUBMITTED WITH APPLICATION FOR SYSTEM APPROVAL.

ENV-WS 1023.01 (g) SEPTIC TANKS SHALL BE INSPECTED FOR ACCUMULATION OF SLUDGE AND SURFACE SCUM AT LEAST ONCE EVERY YEAR.
(b) WHEN THE COMBINED THICKNESS OF SLUDGE AND SURFACE SCUM EQUAL 1/3 OR MORE OF THE TANK DEPTH, THE TANK SHALL BE PUMPED BY A LICENSED SEPTIC TANK PUMPER.
ENV-WS 1023.02 TO PREVENT OBSTRUCTION OF THE DISTRIBUTION LINES AND LEACH FIELD, GREASE AND BULKY WASTE SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV-WS 1023.03 TOXIC AND HAZARDOUS MATERIALS SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.
ENV-WS 1023.04 TO PREVENT DAMAGE TO THE DISTRIBUTION LINES AND LEACH FIELD, VEHICLES, LIVESTOCK, AND OTHER HEAVY OBJECTS SHALL NOT BE ALLOWED ON THE LEACH FIELD.
ENV-WS 1023.05 IF WET AREAS APPEAR ON THE GROUND SURFACE ABOVE THE DISTRIBUTION LINES OR LEACH FIELD OR IF DISAGREEABLE ODORS OCCUR, THE SYSTEM SHALL BE INSPECTED FOR THE SOURCE OF THESE PROBLEMS, AND CORRECTIVE ACTION SHALL BE TAKEN.

TEST PIT DATA

DATE: APRIL 15, 2010

TOWN INSPECTOR: SUSAN LABRIE

TEST PIT #1 51.3

0-12" 10YR3/4 FINE SANDY LOAM, GRANULAR FRIABLE
12-20" 10YR5/6 FINE SANDY LOAM, GRANULAR FRIABLE
20-24" ORIGINAL TOPSOIL, 10YR3/4 FINE SANDY LOAM (REMOVE)
24-48" 10YR4/6 FINE SANDY LOAM, GRANULAR FRIABLE
48-80" 2.5Y5/4 FINE SANDY LOAM, SOME SILTS, HEAVY MOTTLES

ESHWIT @ 48", OBSERVED WATER @ 53",
ROOTS TO 4'+, NO REFUSAL

PERC TEST DATA

PERC RATE: N/A FOR CLEAN SOLUTION SYSTEM

DESIGN LOADING: EXISTING 4 BEDROOM HOUSE

AREA REQUIRED: WAI MINIMUM 100-150 SF REQUIRED

AREA PROPOSED: 15' X 30' = 450 SF PROVIDED

PROPOSED REPLACEMENT SEPTIC SYSTEM PLAN

EXISTING FAILED SYSTEM

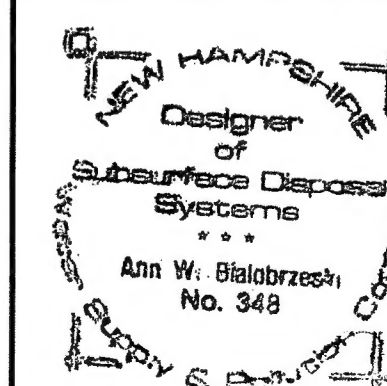
LOCUS: 277 WALLIS ROAD, RYE, NH

TAX MAP 19 LOT 14

OWNER: ALEXANDRA GAMBLE

277 WALLIS ROAD

RYE, NH 03870



APPLICANT:
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603 929-7404

DATE: MAY 8, 2010

APPROVAL: CA2010100947